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☐ 1. Document ID: AT 9509012 A, WO 9617003 A1, NO 9603220 A, FI 9603042 A, EP 742809 A1, DE 19581427 T, JP 09508941 W, KR 97700221 A, US 5936044 A Relevance Rank: 99

L1: Entry 1 of 1

File: DWPI

Dec 15, 1999

DERWENT-ACC-NO: 1996-277735

DERWENT-WEEK: 200004

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TITLE: Plastic film useful in food packaging industry and for packaging of sterilised medical food - is based on mixt. of polyamide cpds. and polyamide-polyester block copolymers for improved impact, creasing and puncture resistance, etc.

INVENTOR: ALEX, P; MELOT, D

PRIORITY-DATA:

1994FR-0014521

December 2, 1994

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AT 9509012 A	December 15, 1999	N/A	000	C08J005/18
WO 9617003 A1	June 6, 1996	F	016	C08J005/18
NO 9603220 A	August 1, 1996	N/A	000	C08J005/18
FI 9603042 A	August 1, 1996	N/A	000	C08J000/00
EP 742809 A1	November 20, 1996	F	000	C08J005/18
DE 19581427 T	January 16, 1997	N/A	001	C08L077/00
JP 09508941 W	September 9, 1997	N/A	013	C08J005/18
KR 97700221 A	January 8, 1997	N/A	000	C08J005/18
US 5936044 A	August 10, 1999	N/A	000	C08L077/00

INT-CL (IPC): C08G 69/40; C08J 0/00; C08J 5/18; C08L 71/02; C08L 77/00

ABSTRACTED-PUB-NO: US 5936044A

BASIC-ABSTRACT:

A new plastic film is based on: (1) polyamides comprising essentially polyamide-6 or polyamide-66; and (2) a polymer comprising block polyamide and block polyester the polyamide being polyamide-6 or polyamide-66 and the polyethers comprising poly-tetramethylene glycol.

The ratio of polyamide: polyether (wt) is greater or equal to 50:50.

USE - The film is used in the food packaging industry and in the packing of medical supplies. It has a good resistance to creasing and folding, partic. at low temps. in the packing of deep frozen foods (or food prods. to be frozen) and a good puncture resistance in handling and transportation. This is important also for medical packs which have to be efficiency sealed to exclude air.

ADVANTAGE - The new film has an impact resistance greater than that of a polyamide film (ISO 7765-1B standard). The two components mix easily together,

and for prodn. in an extrudes at requires only a dry blend to be prepared. The transparency of the polyamide film is not affected by addn. of polyamide/polyether block polymer up to 30 parts for 100 parts of polyamide. ABSTRACTED-PUB-NO:

WO 9617003A EQUIVALENT-ABSTRACTS:

A new plastic film is based on: (1) polyamides comprising essentially polyamide-6 or polyamide-66; and (2) a polymer comprising block polyamide and block polyester the polyamide being polyamide-6 or polyamide-66 and the polyethers comprising poly-tetramethylene glycol.

The ratio of polyamide: polyether (wt) is greater or equal to 50:50.

USE - The film is used in the food packaging industry and in the packing of medical supplies. It has a good resistance to creasing and folding, partic. at low temps. in the packing of deep frozen foods (or food prods. to be frozen) and a good puncture resistance in handling and transportation. This is important also for medical packs which have to be efficiency sealed to exclude air.

ADVANTAGE - The new film has an impact resistance greater than that of a polyamide film (ISO 7765-1B standard). The two components mix easily together, and for prodn. in an extrudes at requires only a dry blend to be prepared. The transparency of the polyamide film is not affected by addn. of polyamide/polyether block polymer up to 30 parts for 100 parts of polyamide.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Terms	Documents
9617003	1

Display

12

Documents, starting with Document:

1

Display Format: REV

Change Format

DERWENT-ACC-NO: 1996-270415

DERWENT-WEEK: 200115

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TITLE: Flexible, translucent compsn. contg. polyamide, terpolymer of ethylene!, alkyl (meth)acrylate! and acid anhydride - also includes copolymer of ethylene and alkyl (meth)acrylate and is used for extrusion of single-layer pipes

INVENTOR: BOUILLLOUX, A; GUIBOUIN, C ; LADOUCE, B ; MONTANARI, T ;
PERRET, P
; MONTANRI, T ; LADOUSE, B ; BOULLIOUX, A

PATENT-ASSIGNEE: ELF ATOCHEM SA[AQOR]

PRIORITY-DATA: 1994FR-0013957 (November 22, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NO 309485 B1	February 5, 2001	N/A	000	C08L 077/00
FR 2727124 A1	May 24, 1996	N/A	012	C08L 077/00
EP 716126 A1	June 12, 1996	F	009	C08L 077/00
AU 9537988 A	May 30, 1996	N/A	000	C08L 077/00
NO 9504657 A	May 23, 1996	N/A	000	C08L 077/00
CA 2163398 A	May 23, 1996	F	000	C08L 077/00
FI 9505602 A	May 23, 1996	N/A	000	C08L 077/00
JP 08225740 A	September 3, 1996	N/A	006	C08L 077/00
CN 1132768 A	October 9, 1996	N/A	000	C08L 077/00
AU 699659 B	December 10, 1998	N/A	000	C08L 077/00
EP 716126 B1	February 9, 2000	F	000	C08L 077/00
DE 69515004 E	March 16, 2000	N/A	000	C08L 077/00
ES 2143589 T3	May 16, 2000	N/A	000	C08L 077/00

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE
AT BE CH DE D
K ES FR GB GR IE IT LI LU NL PT SE

CITED-DOCUMENTS: EP 218665; EP 72480 ; EP 96264

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
NO 309485B1	N/A	1995NO-0004657	November 17, 1995
NO 309485B1	Previous Publ.	NO 9504657	N/A
FR 2727124A1	N/A	1994FR-0013957	November 22, 1994
EP 716126A1	N/A	1995EP-0203163	November 18, 1995

AU 9537988A	N/A	1995AU-0037988	November 21, 1995
NO 9504657A	N/A	1995NO-0004657	November 17, 1995
CA 2163398A	N/A	1995CA-2163398	November 21, 1995
FI 9505602A	N/A	1995FI-0005602	November 21, 1995
JP 08225740A	N/A	1995JP-0325133	November 20, 1995
CN 1132768A	N/A	1995CN-0120563	November 22, 1995
AU 699659B	N/A	1995AU-0037988	November 21, 1995
AU 699659B	Previous Publ.	AU 9537988	N/A
EP 716126B1	N/A	1995EP-0203163	November 18, 1995
DE 69515004E	N/A	1995DE-0615004	November 18, 1995
DE 69515004E	N/A	1995EP-0203163	November 18, 1995
DE 69515004E	Based on	EP 716126	N/A
ES 2143589T3	N/A	1995EP-0203163	November 18, 1995
ES 2143589T3	Based on	EP 716126	N/A

INT-CL_(IPC): B29C047/00; B29D023/00; B29K077:00; C08K003/00; C08K005/00; C08L023/08; C08L033/06; C08L035/00; C08L077/00; C08L077/02; C08L077/06; C08L023:08; C08L077/00; C08L023:08; C08L077/00; C08L023:08; C08L077/00; C08L023:08; C08L077/00; C08L023:08; C08L077/00

ABSTRACTED-PUB-NO: EP 716126B

BASIC-ABSTRACT: A translucent, flexible compsn. contains: (A) 50-95 wt.% of (1) a polyamide resin (PA) with light transmission at 700 nm above 15% (above 30%) (1 mm plate), (2) additives, e.g. stabilisers, demoulding agents, lubricants, crystallisation accelerators, pigments, dyes, organic and/or mineral fillers, and antioxidants, and (3) 0-50% (less than 20%), w.r.t. (A), of a plasticiser; and (B) 50-5% (10-40%) of (a) a terpolymer of ethylene, an alkyl (meth)acrylate and an anhydride of an unsatd. dicarboxylic acid, and (b) an ethylene/alkyl (meth)acrylate copolymer, in ratio of (b)/(a) or 1/30-2 (not above 2/3). The modulus of flexing (ISO 178) of the compsn. is $<2/3$ ($<1/3$) of the modulus of flexing of PA and below <750 MPa (<500 MPa).

USE - Materials obtd. from the compsn., esp. extracted goods and pref. single-layer pipes, are claimed. Appls. also include films, tubes, plates and fibres.

ABSTRACTED-PUB-NO: FR 2727124A

EQUIVALENT-ABSTRACTS: A translucent, flexible compsn. contains: (A) 50-95 wt.%

of (1) a polyamide resin (PA) with light transmission at 700 nm above 15% (above 30%) (1 mm plate), (2) additives, e.g. stabilisers, demoulding agents, lubricants, crystallisation accelerators, pigments, dyes, organic and/or mineral fillers, and antioxidants, and (3) 0-50% (less than 20%), w.r.t. (A), of a plasticiser; and (B) 50-5% (10-40%) of (a) a terpolymer of ethylene, an alkyl (meth)acrylate and an anhydride of an unsatd. dicarboxylic acid, and (b)

an ethylene/alkyl (meth)acrylate copolymer, in ratio of (b)/(a) or 1/30-2 (not above 2/3). The modulus of flexing (ISO 178) of the compsn. is $<2/3$ ($<1/3$) of the modulus of flexing of PA and below <750 MPa (<500 MPa).

USE - Materials obt'd. from the compsn., esp. extracted goods and pref. single-layer pipes, are claimed. Applns. also include films, tubes, plates and fibres.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

FLEXIBLE TRANSLUCENT COMPOSITION CONTAIN POLYAMIDE
TERPOLYMER POLYETHYLENE
ALKYL METHO POLYACRYLATE ACID ANHYDRIDE COPOLYMER
ETHYLENE ALKYL METHO ACRYLATE
EXTRUDE SINGLE LAYER PIPE